IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

JOO-HYOUNG LEE *et al.*

Serial No.:	*to be assigned*	Examiner:	*to be assigned*
Filed:	21 June 2001	Art Unit:	*to be assigned*
For:	*DISPLAYING APPARATUS AND METHOD FOR CONTROLLING THE SAME*		

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner
    for Patents
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites,

provides copies of, and discusses the following art references:

1.   Korean Patent publication No. 1999-19024 to Yong-Bum Kim, entitled *METHOD*

     AND APPARATUS FOR MAGNIFYING AN IMAGE, published on March 15, 1999,

     discloses a method and an apparatus for magnifying an image. More specifically, the

     method and apparatus allow an image to be magnified by setting a certain range of

     the image and, if a part of the range does not need to be magnified, allow the part of

     the range to be removed by setting the part, and allow the other part which is not

removed to be magnified. In the reproduction of an image in the conventional TV, a control of an image size of a certain range of an image is not possible because horizontal-deflection and vertical-deflection movements of a scanning beam performed by horizontal-deflection and vertical-deflection coils are fixed by the set horizontal-deflection and vertical-deflection operating pulses. The method and apparatus make a TV display an on-screen display (OSD), sets the certain range of the image displayed on a Braun tube by manipulating an OSD controller, and magnifying the certain range vertically and horizontally by the magnification-operating movements in a magnification-correction unit. If a part of the range does not need to be magnified, the part is set by the on screen display (OSD) and the set removing means, and is removed by a filtering process in a filtering unit. The other part which is not removed is magnified and displayed by the magnification-correction process in a magnification-correction unit.

2.   Korean Patent publication No. 1999-26700 to Tae-Seung Kim, entitled *TV HAVING A FUNCTION OF SCREENING A CERTAIN AREA OF AN IMAGE SCREEN*, published on April 15, 1999, discloses a TV set which has a function of screening a certain area of an image. The TV set provides a screen effect of a designated area by allowing users to designate the certain area of an image and limiting the output of the area. The TV set comprises a key input unit for inputting commands for setting and

execution of function of screening the certain area, a screen area data storing unit for storing data as to the location of each area of the screen divided by a certain ratio, an on screen display (OSD) generating unit which offers an output of an OSD information caption for setting a screen area according to a control signal, a mixer which mixes and offers an output of a screen output image signal and an OSD pattern signal generated by the OSD generating unit, a user-designated area data storing unit for registering and storing data as to the location designated by the user through the key input unit, a PIP (picture-in-picture) location data storing unit for storing PIP location data for controlling a location of the PIP, a PIP control unit for offering an output of the PIP screen image signal of the first label to the user-designated location on the basis of the data stored in the PIP location data storing unit, and a control unit which offers an output of the information caption according to user key input, and which operates and controls the PIP control unit for performing the function of screening the user-designated area on the basis of the data stored in the user-designated area data storing unit.

3.   Japanese Patent publication No. 09-179990 to Miura, entitled *IMAGE DISPLAY DEVICE*, published on 11 July 1997, discloses an image display device which emphasizes and displays a window area without placing any load on software. In the patent, according to display addresses from a CRT controller 2 to a frame memory

3B, an address decoder 4 generates a signal for discriminating between the inside and the outside of the window area, and applies it to a color palette 5. The color palette 5 switches the contents of a look-up table according to the H/L level of the discriminating signal to display the window area on the screen of a CRT display device 10 so that the inside and the outside are different in color tone, contrast, and brightness.
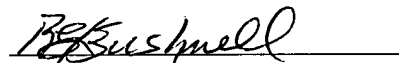
4. Japanese Patent publication No. 11-234628, to Yakuwa, entitled *DATA REPRODUCTION DEVICE AND ZOOM FUNCTION DISPLAY METHOD FOR THE DATA REPRODUCTION DEVICE*, discloses a device and method for easily recognizing a moving limit of an original video image during movement of a magnified range in a zoom function. In the patent, a microcomputer 15 causes the characters 'ZOOM' to be outputted as a video signal via a character generator 12 and a video processor 11 for display in white on an on-screen display OSD during zoom display processing with a set zoom function. The microcomputer 15 checks whether or not a moving position of zoom is within a permissible range of the original video image when the user operates a cursor key of a display operation section 14, and moves the zoom position if it is within the permissible range. The microcomputer further checks whether or not the zoom position is within a limit, and displays the characters 'ZOOM' in white on the OSD when the zoom position is within the limit,

but displays the characters 'ZOOM' in green on the OSD when the zoom position is at the limit.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

No fee is incurred by this Statement.

Respectfully submitted,

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Folio: P56382
Date: 21 June 2001
I.D.: REB/kf